

FHASE I BOOK EXPLOITATION

807, 4447

Federeyev, Pavel Gavrilovich

Vypryamiteli i stabilizatory (Rectifiers and Regulators) Miscow, Iskusstvo, 1960. 517 p. 5,200 copies printed.

Ed.: L.O. Eysyment; Tech. Ed.: Ye. Ya. Reyzman.

Reviewer: I.N. Oskolkov, Candidate of Technical Sciences.

PURPOSE: This book is approved by the Upravleniye uchebnykh zavedeniy i kadrov (School and Personnel Administration) of the Ministers two kultury RSFSR (Ministry of Collette RSFSR) as a textbook for students in the Leningradskiy Institut kindanzbenerov (Leningrad Institute of Motion Picture Engineers). It way also be used by students in related courses and technical personnel engaged in the design or operation of power supply systems.

COVERAGE: The book represents a general and systematic presentation of lectures delivered by the author for the course "Breer Supply and Regulation Systems" in the Leningrad Institute of Motion Picture Engineers. The book centains information on rectifiers and on the general theoretical principles of

Card 1/7

Rectifiers and Regulators

8177/4447

rectifiers and receiving filters. It presents problems related to voltage and current regulation and stabilization, including a sories of hitherto ampublished data on the computation of certain voltage-regulator circuits as well as an examination of standard circuits of power-supply systems and the specific features of objects supplied with power. Such topics as electromechanical supply systems, protection from radio interference, and methods of designing power-supply systems are not examined because of the limited intent of the book. The setter thanks I.N. Oskolkov, Candidate of Technical Sciences, reviewer of the book, and it. O. Fedeseyeva. There are 82 references, all Seviet.

TABLE OF CONTENTS:

From the Author	3
Introduction	.5
Ch. I. Technical Characteristics of Rectifiers 1. Classification and basic parameters of rectifiers 2. Vacuum-tube rectifiers (kenotrons) 3. Gas-filled rectifiers with a mercury-publicathode	1 10 13 21
Man 2 1/7	

FEDOSEYEV, P.G.

Effect of the batching of the magnetic circuits on the characteristics of saturable reactors. Trudy L'KI no.7:65-72 161.

(MIRA 18:3)

1. Kafedra tekhnicheskoy elektroniki Leningradskogo instituta kinoinzhenerov.

FEDOSEYEV, Payel Gavrilovich; ZHERDETSKAYA, N.N., red.; ZYKIN, V.I., tekhn. red.

[Electrical engineering and electric equipment of motionpicture theaters] Elektrotekhnika i elektrooborudovanie kinoustanovok. Izd.3., perer. i dop. Moskva, Iskusstvo, 1963. 423 p. (MIRA 17:2)

FEDOGEYEV, P.G.; SAVICHEV, S.S.

Transistorized magnetic voltage stabilizers for low voltage potential, Trudy LIKI no.10:111-121 64. (MIRA 18:9)

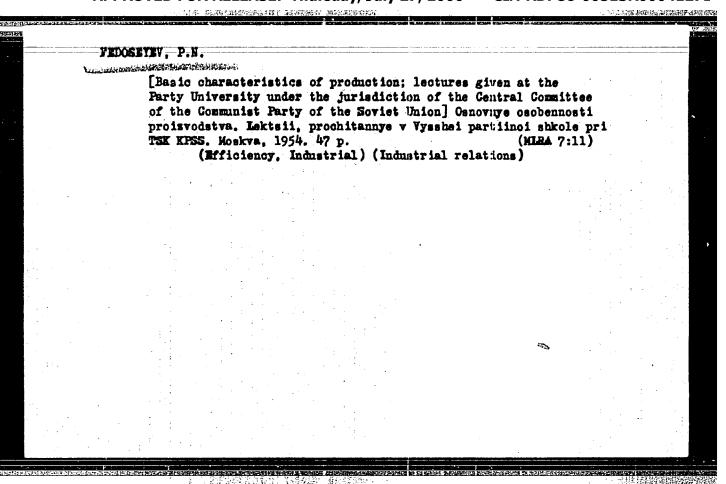
1. Kafedra tekhnichenkoy elektroniki Leningradskogo instituta kinoinzhenerov.

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CIA-RDP86-00513R00041272

L 22925-66 ACC NR: AP6007681 (A) SOURCE CODE: UR/0413/66/000/003/0059/0059	7	
AUTHOR: Konstantinov, V. N.; Semenov, V. G.; Voyklanskiv, P. G.; Fedoséyev, V. I.		
ORG: none		
TITIE: Unit for longitudinal orientation of a polymer film. Class 39, No. 178483		
[Announced by the Scientific Research Institute for the Construction of Chemical Machinery (Nauchno-issledovatel'skiy institut khimicheskogo mashinoatroyeniya)]	. 4 .	
SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, 1966, 59		
TOPIC TAGS: film processing, photographic equipment		
ABSTRACT: An Arthor Certificate has been issued describing a unit for the longitudinal orientation of polymer films. The machine is equipped with one set of retarding rolls and another set of pulling rolls. To reduce the transverse shrinkage of the film and control its deformation rate, an orientation roll, which can		
be heated up, is installed between both the pulling and retarding rolls and equipped with a mechanism for moving the film in the vertical plane. [LD]		
SUB CODE: 14/ SUBM DATE: 07Jan65/	-	•
film processing		
Card 1/1 (1/2) UDC: 678,017,4	2	
		•
	READER ROSE	1000



FEDOSEYEV, PETR NIKOLATEVICH

Epp .R9120

Proizvoditel'nyye sily i proizvodstvennyye otnosheniya sotsialisticheskogo obshchestva (Productive strength and industrial relations of socialist societies) Moskva, 1955.

61 p.

At head of title: Vysshaya Partiynaya Shkola pri tsk KPSS.

TOHEZ, Moris [Thores, Meurice]; ROMAHOV, A.V., red.; RUMIAHTSEV, A.M., red.;

TROPKIN, H.V., red.; FROGEREV, P.N., red.; PCLIAKOV, A.F., red.;

SERBIN, Ye.M., tekhn.red.

[New data on the pauperisation of French workers] Hovye dannye ob obnishchanii trudiashchikhsis Frantsii. Moskva, Gos.izd-vo polit.lit-ry, 1959. 84 p.

(MIRA 14:1)

1. General'nyy sekretar' Frantsuzskoy kommunisticheskoy partii (for Torez).

(France--Labor and laboring classes)

(France--Oost and standard of living)

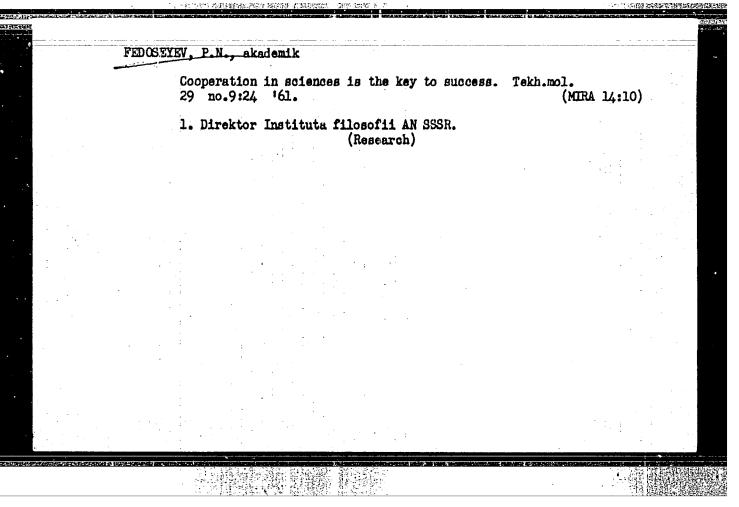
TSEDENRAL, Yu.; RARULINA, L.G., red.; ROMANOV, A.V., red.; RUMYANTSEV, A.M., red.; TROPKIN, M.V., red.; PEDOSEYEV, P.N., red.; RARULINA, L.G., red.; SERBIN, Ye.M., tekhn.red.

[Socialist transformation in the Mongolian People's Republic]
Sotsialisticheakie preobrazovaniia v Mongol'skoi Narodnoi
Respublike. Moskva, Gos.isd-vo polit.lit-ry, 1960. 117 p.
(MIRA 14:3)

1. Pervyy sekreter' TSentral'nogo Komiteta Mongol'skoy narodnorevolyutsionnoy partii (for TSedenbal). (Mongolis--Economic policy)

NOVOTNYY, Antonin; POLYAKOV, A.P., red.; ROMANOV, A.V., red.; RUMYAHTSEV, A.M., red.; TROPKIN, N.V., red.; PEDOSETEV, P.N., red.; SERBIN, Ye.M., tekhn.red.

[For the victory of peace and socialism. Report to the 11th Congress of the Communist Party of Czechoslovakia on the activities of the Central Committee and the main tasks of the present. Armed with the results of the 21st Congress of the CPSU, forward, to the completion of the socialist construction of our country] Za pobedu mira i sotsialisma. Otchetnyi doklad XI s "esdu Kommunisticheskoi partii Chekhoslovakii o deiatel nosti TSentral nogo Komiteta i glavnye sadachi tekushchego momenta. Voorushennye itogami XXI s "esda KPSS, vpered, k saversheniiu stroitel sta sotsialisma v nashei strane. Moskva, Gos.isd-vo polit.lit-ry, 1960. 141 p.
Translated from the Czech. (MIRA 13:12)



POSPELOV, P.N., akademik; MINTS, A.L., akademik; ALEKSAIDROV, A.P., akademik; FEDOSEYEV, P.N., akademik; LAVRENT'YEV, M.A., akademik; HERC, A.I., akademik; FETROVSKIY, I.G., akademik; SIDORENKO, A.V.; SKIYABIN, G.K., kand.biolog.nauk; KONSTANTINOV, B.P., akademik; GOLUNSKIY, S.A.; SIUBRIKOV, A.V., akademik; BOKHINTSEV, D.I.; DORODNITSYN, A.A., akademik; KEDROV, B.M.; SISAKWAN, N.M., akademik Discussing the reports. Vest. AN SSSR 31 no.12:49-66 D '61.

(MIRA 14:12)

1. Chleny-korrespondenty AN SSSR (for Sidorenko, Golunskiy, Blokhintsev, Kedrov); (Research)

FEDOSEYEV, P.N.

Communism and philosophy. Magy tud 68 no.3:141-151 Mr '61. (EEAI 10:6)

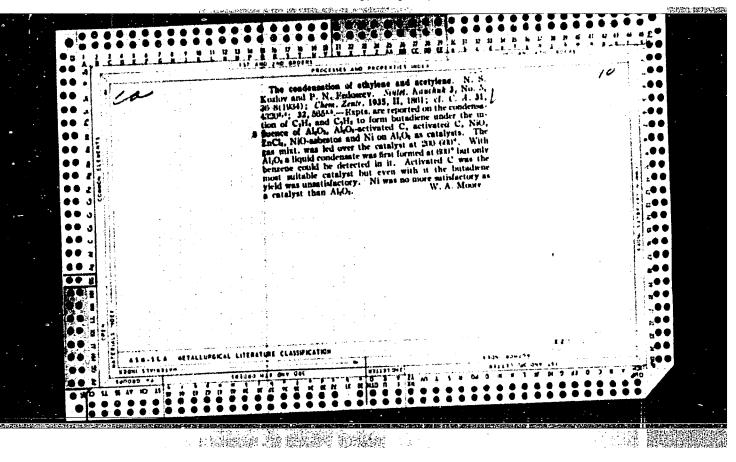
1. A Szovetunio Tudomanyos Akademiajanak tagja, a Magyar Tudomanyos Akademia tiszteleti tagja.
(Communism) (Marx, Karl) (Philosophy)

ARZUMANYAN, A.A., akademik; HERG, A.I., akademik; ZHUKOV, Ye.M., akademik; SEMENOV, N.N., akademik; VINOGRADOV, V.V., akademik; FRANTSEV, Yu.P.; SHCHERBAKOV, D.I., akademik; ANISIMOV, I.I.; GATOVSKIY, L.M.; IOVCHUK, M.T.; FEDOSEYEV, P.N., akademik; ROMASHKIN, P.S.; KONSTANTINOV, F.V.; MITIN, M.B., akademik; YELYUTIN, V.P.; PLOTNIKOV, K.N.; PRUDENSKIY, G.A.; YUDIN, P.F., akademik; RYBAKOV, B.A., akademik; KONSTANTINOV, B.P., akademik; KHVOSTOV, V.M.; KKDROV, B.M.; MARKOV, A.A.; BAISHEV, S.B., akademik; ALEKSEYEV, M.N., prof.; SKAZKIN, S.D., akademik; ALEKSANDROV, A.D.; POSPELOV, P.N., akademik

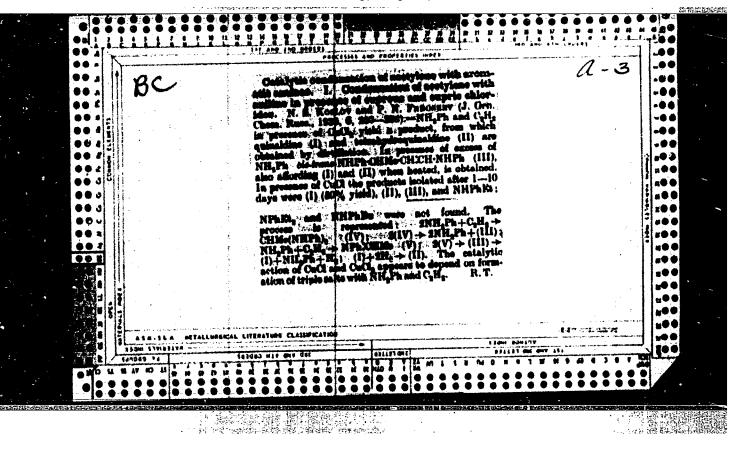
Discussion of L.F. Il'ichev's rreport. Vest. AN SSSR 32 no.12:19-50 D 162. (MIRA 15:12)

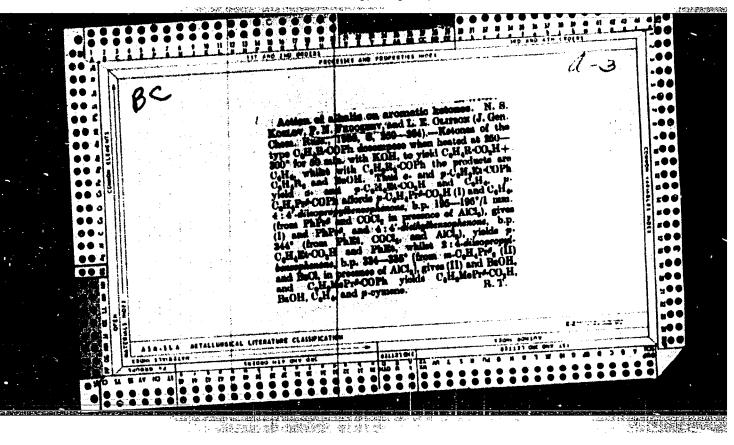
1. Chleny-korrespondenty AN SSSR (for Aleksandrov, Frantsev, Anisimov, Gatovskiy, Iovchuk, Romashkin, Konstantinov, Yelyutin, Plotnikov, Prudenskiy, Khvostov, Kedrov, Markov). 2. AN Kazakhskov SSR (for Baishev).

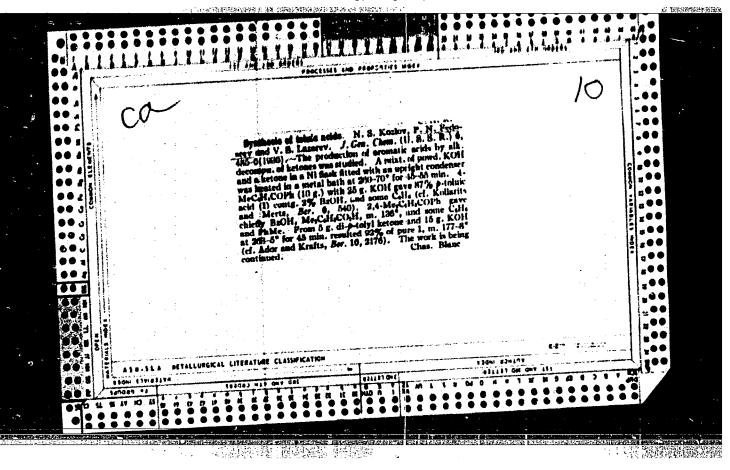
(Research)

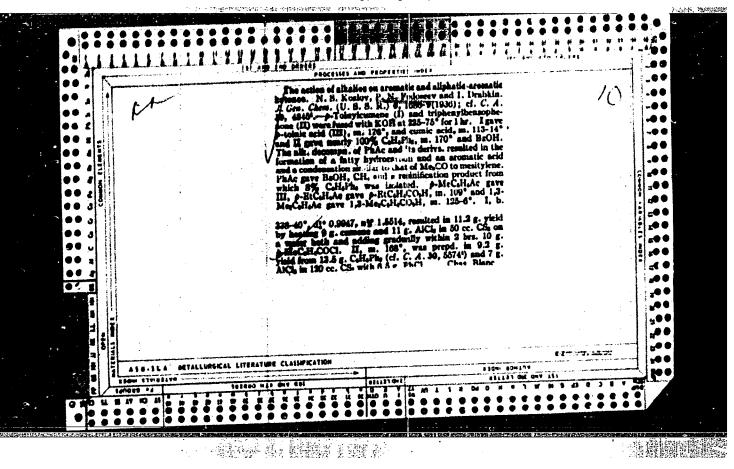


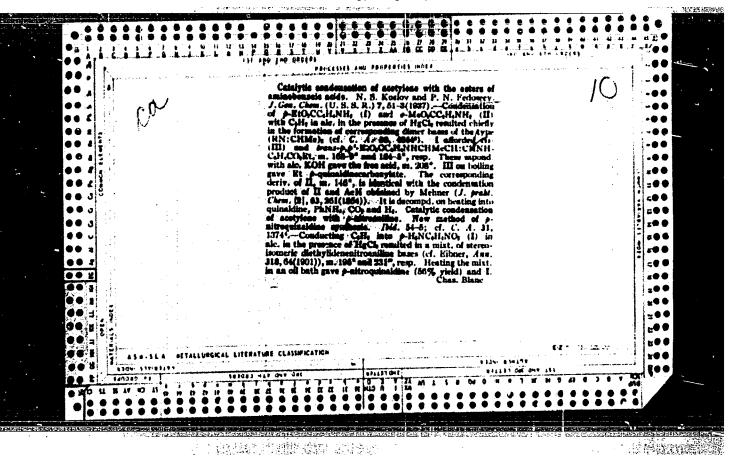
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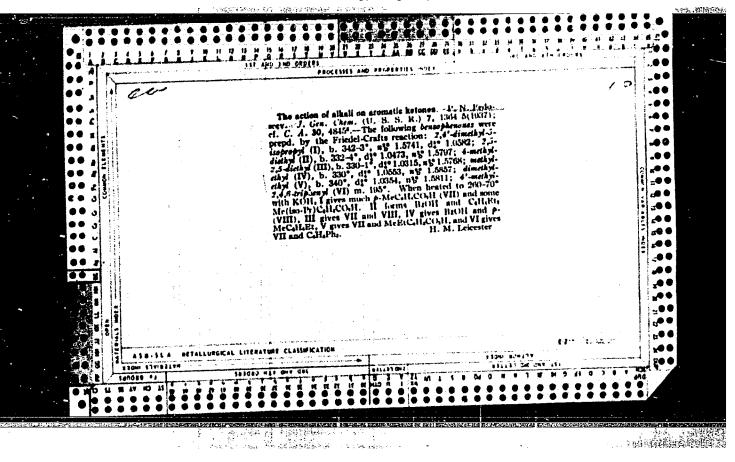


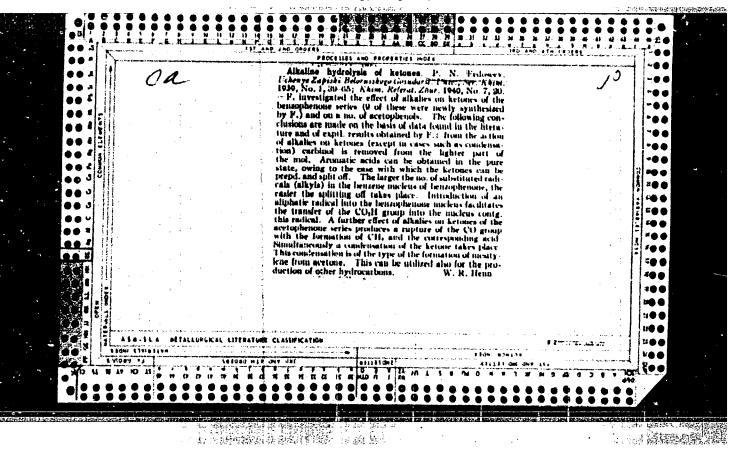


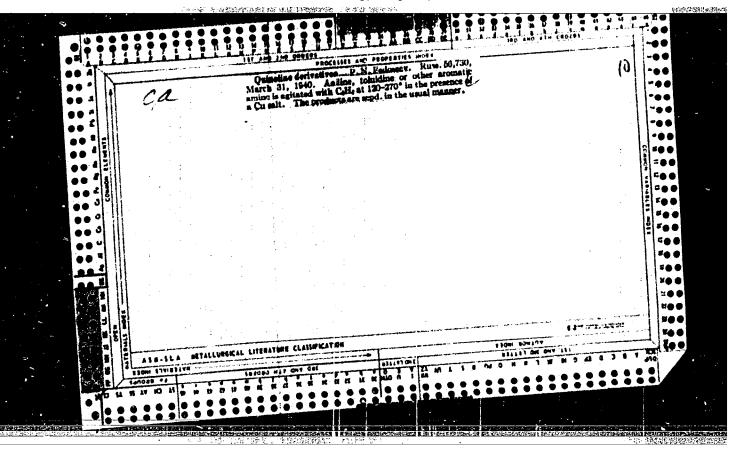


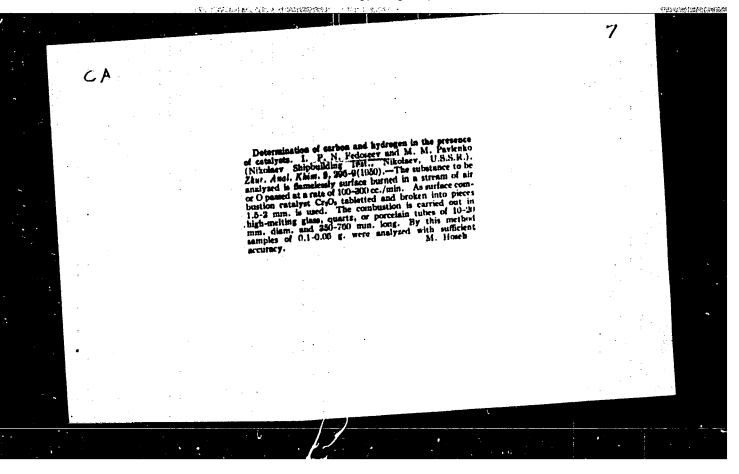


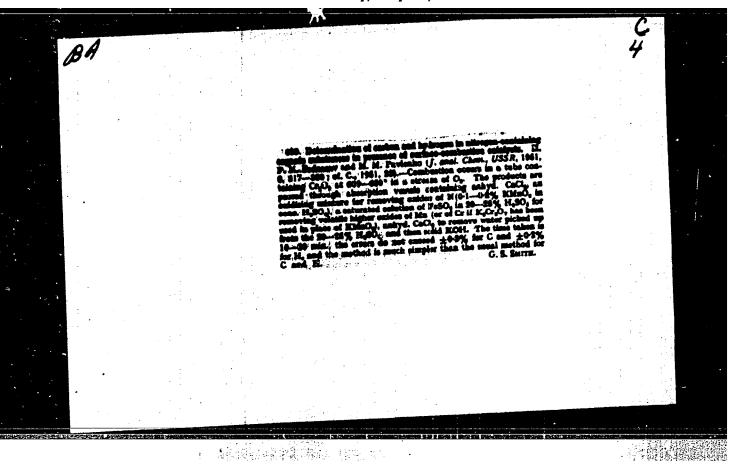


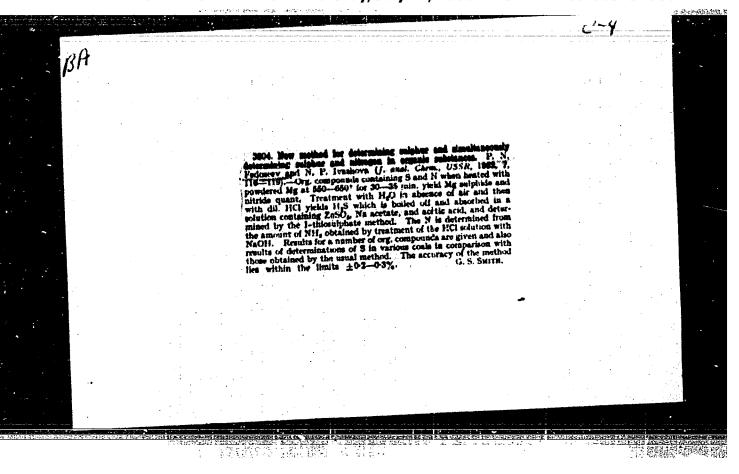


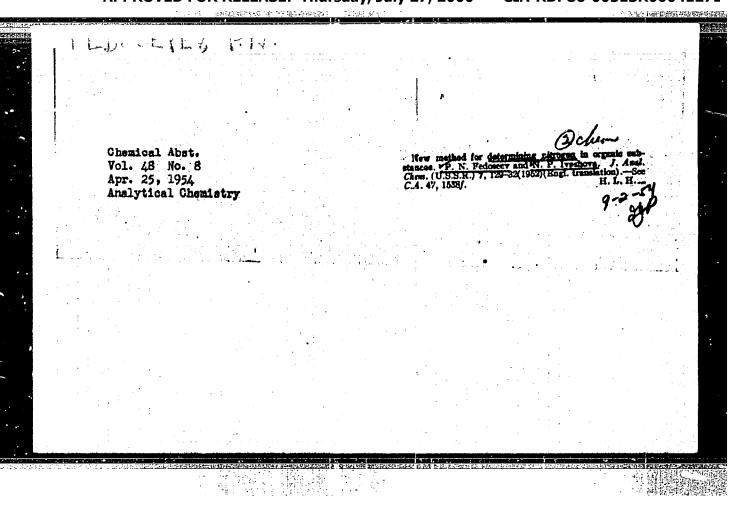


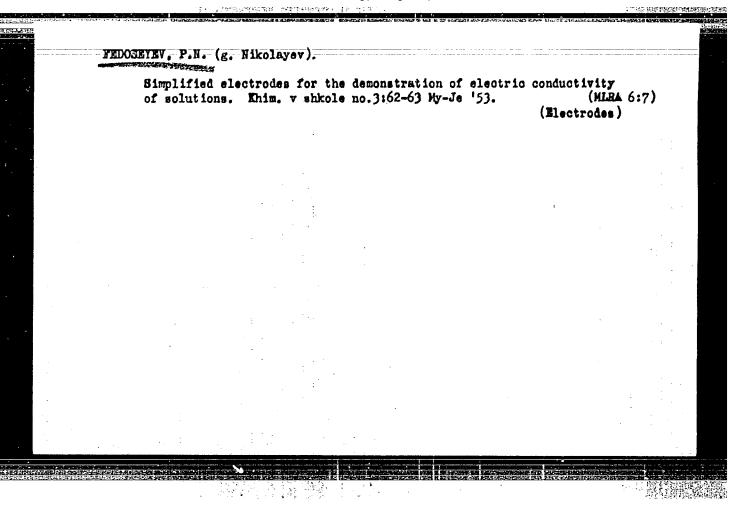


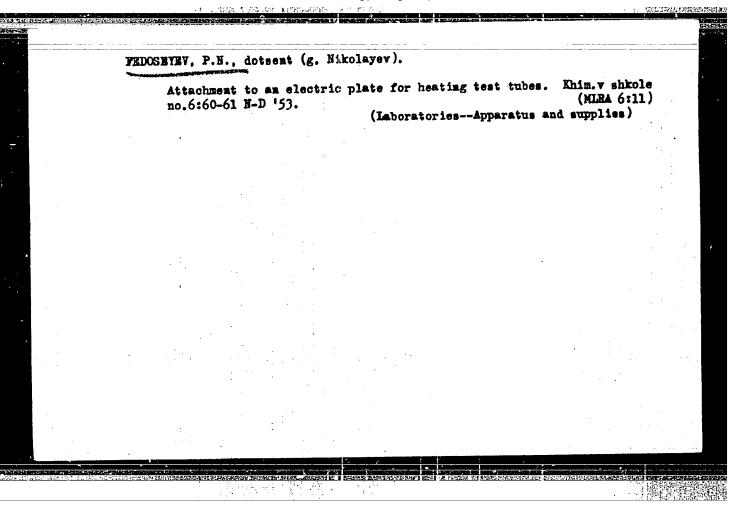


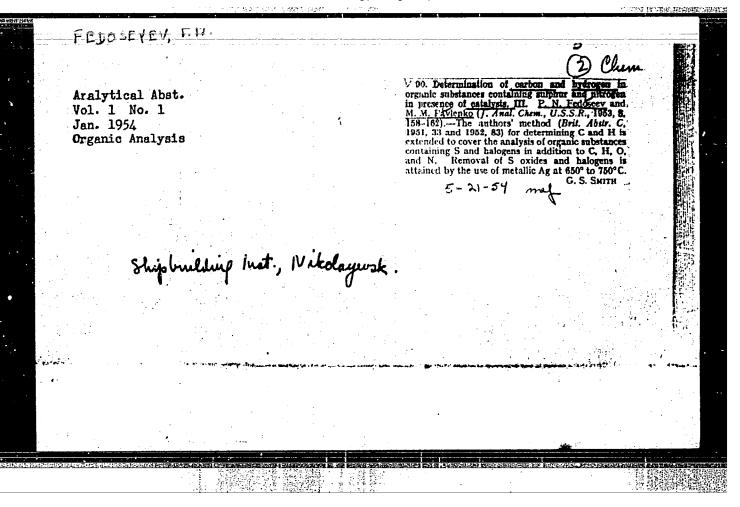


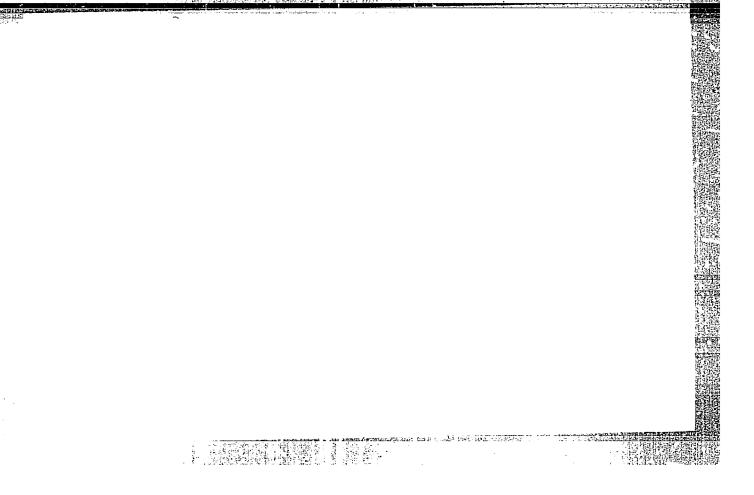


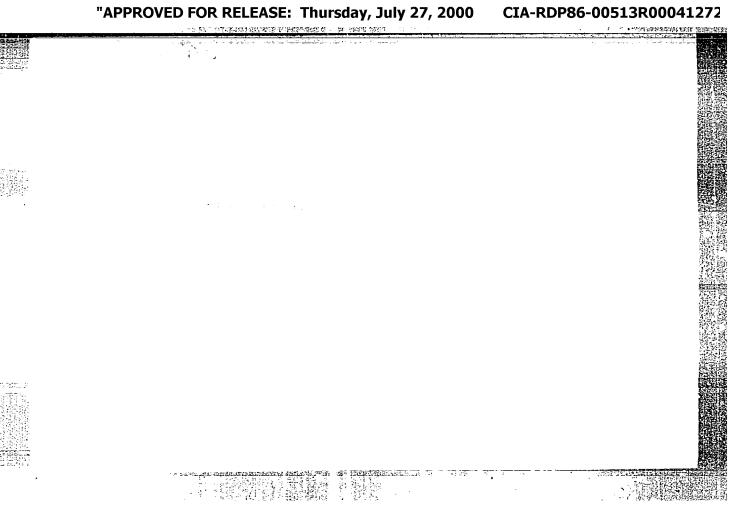


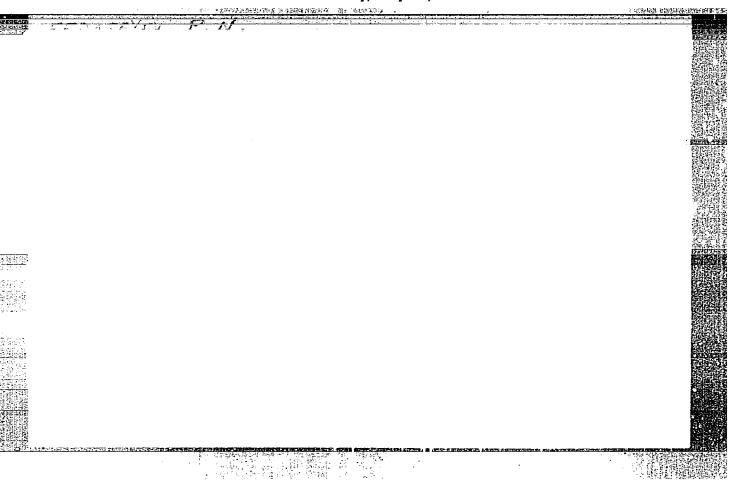


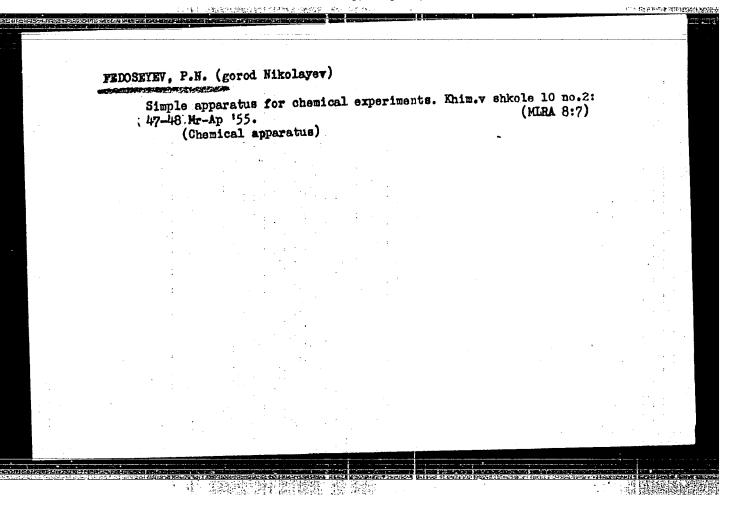




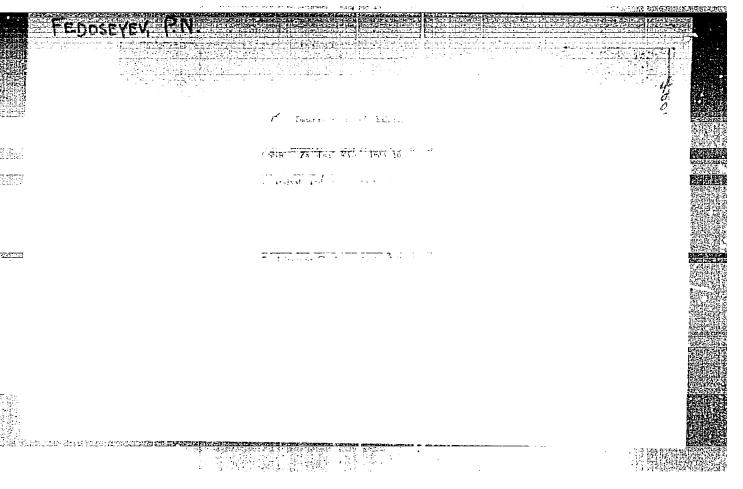


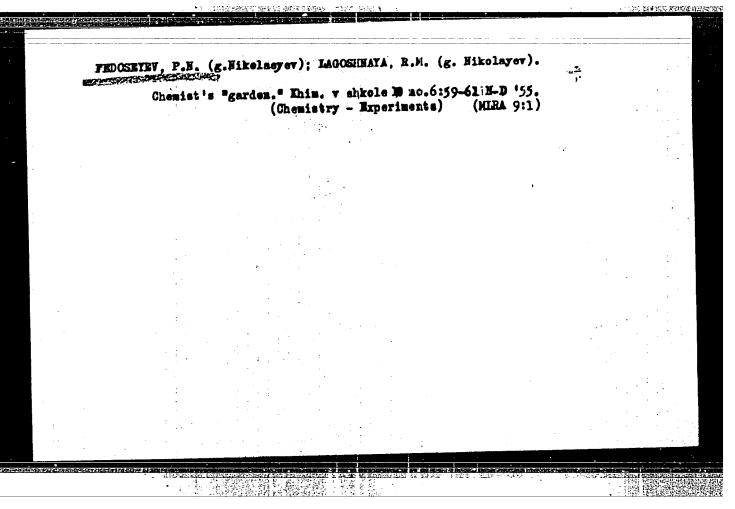


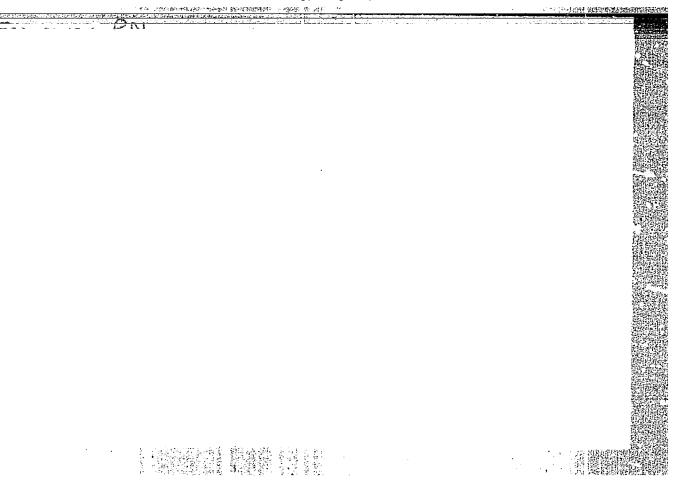




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TENOSEYEV, P.N. Doc Chem Sci (diss) "New methods for quantitative determination of carbon, hydrogen, nitrogen, sulfur, chlorine, bromine and iodine in some organic substances." Mos, 1957 22pp 22 cm.

(Mos State Univ im M.V. Lomonosov) 100 copies

(KL, 12-57, 103)

3

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041272

USSR/General Problems.

Abs Jour

: Ref Zhur - Khimiya, No 10, 1957, 33426

Author

Fedosreyev, P.N., Lagoshnaya, P.M.

Inst

Title

Surface Conbustion Without a Flame.

Orig Pub

: Khimiya v Shkole, 1957, No 1, 12-15.

Abstract

: A popular account of information on the process and ins-

tructions for demonstration experiments, are given.

Card 1/1

APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041272(

FEDOSEYEV, P.N.; IONATENKO, L.S.

New vacuum method for quantitative determination of carbon and hew vacuum method for quantitative determination of carbon and hydrogen in organic substances. Izv.AH Turk,S.S.R. no.3:24-30 '57. (MIRA 10:10)

1. Institut khimii Akademii nauk Turkmenskoy SSR. (Carbon) (Hydrogen)

FEDOSEYEV, P.N.; IGNATENEO, L.S.

New method for quantitative determination of nitrogen in organic substances by decomposing them in a vacuum. Isv.AN Turk.SSR no.4:13-18 *57. (NIRA 10:10)

1. Institut khimii AN Turkmenskoy SSR. (Vacuum apparatus) (Organic matter--Analysis) (Mitrogen)

PEDOSEYRY, P.N.; IGANTENKO, L.S.

Vacuum method for quantitative determination of carbon and hydrogen in organic substances containing sulfur and halogens. Izv. AN Turk. SSR no.6:84-89 '57. (MIRA 11:1)

1. Institut khimii AN Turkmenskoy SSR.
(Chemistry, Analytical--Quantitative) (Vacuum apparatus)
(Carbon) (Hydrogen)

5(3) SOV/153-58-5-6/28 Fedoseyev, P. N., Ignatenko, L. S., Chernysheva, T. Ye. AUTHORS: On the Combustion Methods of Highly Volatile Substances in TITLE: Quantitative Elementary Analysis (O sposobakh sozhzheniya legkoletuchikh veshchestv v kolichestvennom organicheskom elementarnom analize) Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya PERIODICAL: tekhnologiya, 1958, Nr 5, pp 42-45 (USSR) The combustion of highly volatile and rapidly decomposable ABSTRACT: substances forms a complex problem. The authors criticize the individual methods suggested by various scientists (Refs 1- 12). The two authors mentioned first devised methods of quantitatively determining carbon, hydrogen, and nitrogen using a vacuum (Refs 13-16) in organic substances. It does not need any expensive apparatus; the methods are simple, accessible, reliable and sufficiently accurate. Highly volatile substances can be burnt without noticeable losses. The weighed portion of a highly volatile liquid in a sealed glass ampoule is first put into a special copper shell (Fig 1). The two halves of the shell can easily be telescoped and have openings. The shell Card 1/3 containing the ampoule is introduced into the combustion tube

On the Combustion Methods of Highly Volatile Substances in Quantitative Elementary Analysis

and the ampoule is crushed by shoving together the two halves. Figure 2 shows the device used. After the analysis had been finished the shell together with the splinters of the ampoule is removed from the combustion tube. Table (p 44) shows the results of the analyses of benzene, isocotane, n-heptane, hexane, cyclohexane, and cyclohexanone according to the method recommended. A. P. Terent'yev suggested new devices (steel springs etc.) for crushing the ampoule (Fig 3). This method was tested at the laboratory of the authors, who found it to work well. There are 3 figures, 1 table, and 16 references, 8 of which are Soviet.

ASSOCIATION:

Institut khimii AN Turkm. SSR i Nikolayevskiy korablestroitel-nyy institut, Kafedra khimii (Institute of Chemistry, AS Turkmenskaya SSR, and Nikolayev Ship-Building Institute, Chair of Chemistry)

Card 2/3

H=DOULTEV, F.N.

AUTHOR:

Fedosayev, P. H.

75-1-21/26

TITLE:

The Absorption of Sulfur Oxides by Silicates

(Pogloshcheniye okislov sery silikatami)

PERIODICAL:

Zhurnal Analiticheskoy Khimii, 1958, Vol. 13, Hr 1,

(אַרַרַיִּדִי 124 ב 125 מק

ABSTRACT:

In organic elementary analysis lead chromate, lead dioxide or metallic silver are used for the absorption of sulfur oxides which are produced in the combustion of organic substances. Lead dioxide has many deficiencies and is only rarely used now, lead chromate corrodes the quartz tubes at high temperatures and metallic silver is expensive and may also corrode the quartz tubes at temperatures of 700-900°C. In an earlier paper the author showed that sodium or potassium silicate can be used instead of silver. In the present paper the absorptive power of other silicates is investigated. For quantitative analysis the silicate must not be easily fusible, neither absorb CO, nor water vapor and must absorb the sulfur oxides rapidly and quantitatively. It must not corrode the quartz tubes. The sulfate produced in the

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The Absorption of Sulfur Oxides by Silicates

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absorption of the sulfur oxides must be stable at high temperatures (700-800°C). Experiments showed that the silicates of sodium and potassium absorb water vapor from the air and moreover corrode the quartz tubes. Lead silicate has a low melting point. Magnesium silicate possesses only a weak absorptive power for sulfur oxides. It was found that the absorptive power of the investigated silicates markedly decreases with a decrease in temperature. The quantitative absorption of the sulfur oxides by silicates depends on 2 factors: 1. on the rapid absorption of sulfur trioxide and 2. on the displacement of the equilibrium to the side of the formation of sulfur trioxide to the extent as it is bound by the silicate: SO3 +BaSiO3 == BaSO4 + SiO2; and 2SO₂ + O₂ 2SO₃ respectively. The sulfur are also fairly well absorbed by lead chromate, but much less than by the silicates of barium, calcium, strontium and cadmium. Nitrogen oxides are badly absorbed by the investigated silicates at low temperatures (350°-500°).On an increase in temperature

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The Absorption of Sulfur Oxides by Silicates

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to 600 - 700°C a dissociation of the nitrogen dioxide in NO and oxygen takes place. The opposite reaction of the formation of nitrogen dioxide takes place very slowly on a decreese in temperature. Therefore silicates are not situated for absorbing nitrogen oxides. By the absorption of halogen by silicates, chlorides are produced which can tear loose at high temperatures and in the case of a powerful oxygen current and which thereby falsify the results of analysis. The silicates, however, deserve great interest in the analysis of sulfur-containing compounds. It was found that due to the rapid and good absorption of sulfur oxides by the silicates of strontium, calcium, barium and cadmium, these silicates can be used for the simultaneous quantitative determination of carbon, hydrogen and sulfur in a single weighed portion of the substance to be analyzed. For collecting the sulfur oxides 2 shuttles, filled with silicate are introduced into the front part of the absorption tube. Due to the small surface of the shuttles the enalysis can only be carried out at not too rapid velocities of the oxygen current. It is expedient to use tubes with a large diameter. Conclusions: Sulfur oxides are quantitatively

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The Absorption of Sulfur Oxides by Silicates

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absorbed by the silicates of calcium, strontium, barium at 700-800 C. These silicates are weakly hygroscopic. They do not corrode quartz tubes at 700-800 C. There follows an experimental part in which the corresponding experiments are described in detail. The investigations are continued. There are 4 tables and 2 references, 2 of which are Slavic.

ASSOCIATION:

Ship-building Institute ineni S. O. Makarov, Nikolayev (Nikolayevskiy korablestroitel'nyy institut im. S. O. Makarova)

SUBMITTED:

February 29, 1953

AVAILABLE:

Library of Congress

1. Silicates - Absorptive properties 2. Sulfur oxides - Absorption

Card 4/4

AUTHORS:	Fedoseyev, P. H., Ivashova, H. P.	75-13-2-14/27
TITLE:	New Methods for the Quantitative Determin and Halogens and also of Nitrogen, Sulfur a Weighed Fortion of an Organic Substance kolichestvennogo opredoleniya amota i gal azota, sery i galogenov v odnov naveske o veshchestva). Communication IV (Joobshche	ation of Nitrogen , and Halogens in (Novyye metody ogenov, a takzhe
PERIODICAL:	Zhurnal Analiticheskoy Khimii, 1958, Vol. pp. 230-234 (USSR)	<u>-</u>
ABSTRACT:	In previous papers (References 1,2) the authe fact that in the heating of nitrogen-halogen-containing organic compounds with to temperatures of 550-650° magnesium nitrhalogenides are formed quantitatively. In method is described, which allows the simulatermination of 2 or 1.00° to 1.00°.	sulfur-, and magnesium powder rides, -sulfides, this article a
Card 1/4	determination of 2 or 3 of these elements portion of the organic compound. Besides a on the possibility of the simultaneous det sulfur and nitrogen in various coal brands Instead of hydrogen, which before was used	from a weighed reference is made ermination of

New Methods for the Quantitative Determination of Mitrogen 75and Halogers and also of Mitrogen, Sulfur, and Malogens in a Weighed Portion of an Organic Substance. Communication IV

75-13-2-14/27

the removal of air from the reaction container, also diethylether can be used (after the suggestion by A. P. Terenttev). By this the determination is considerably simplified. In case of the simultaneous determiration of nitrogen and halogens from a weighed portion of the organic substance the sample, which has to be analyzed, is mixed with magnesium powder. After addition of ether it is heated up to 40-50°C in a water bath. Then some more magnesium powder and ether are added and the container is closed by a plug, from which a rubber tube for the drainage of the gases is lead under a reversedly mounted cylinder, which is filled with water. Then heating is performed up to the necessary temperature (ref. 1). After the cooling the reaction container together with the contents is pulverized in a mortar and quantitatively transferred into a distilling flask. The air is expelled from the flask by carbon dioxide, then the reaction mass is worked up by 40% sulfuric acid, until all of the magnesium is dissolved. Then an alkalization is conducted with 50% potash lye and the ammonia is distilled off. For the absorption of ammonia a solution of acid potassium iodate is well suited (Ref. 3).

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New Methods for the Quantitative Determination of Nitrogen 75-13-2-14/27 and Halogens and also of Nitrogen, Sulfur, and Halogens in a Weighed Portion of an Organic Substance. Communication IV

Nitrogen is determined iodometrically. To the residue in the distilling flask 40% sulfuric acid is added until the precipitate of Mg(OH)₂ is completely dissolved, then the substance is filtered and the filter is washed carefully with water. The washing liquids are combined with the filtrate. From the filtrate the percentage of halogens is determined argentometrically.

In case of the simultaneous determination of nitrogen, sulfur, and halogens from a weighed portion of the organic substance it is proceeded as described above, just after the acidification of the crushed reaction mass in the distilling flask first the hydrogen disulfide is distilled cff from the acid solution and determined iodometrically after the absorption. The residue in the flask is alkalized by 50% potash lye and treated as described above. The described method is sufficiently reliable and simple and demands for the performance neither complicated devices nor expensive reagents. Therefore it can be applied with advantage in various laboratories.

The analysis results for a number of compounds, which were

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June 29, 1953

New Methods for the Quantitative Determination of Nitrogen 75-13-2-14/27 and Halogens and also of Nitrogen, Sulfur, and Halogens in a Weighed Portion of an Organic Substance. Communication IV

analized after this method, are given exactly. Among them are also various coal samples, for the analysis of which the described method is very well applicable.

There are 3 tables and 4 references, 3 of which are Soviet.

ASSOCIATION: Nikolayevskiy korablestroitel'nyy institut im. S. O. Makarova (Nikolayev Ship Building Institute imeni S. O. Makarov)

1. Organic materials--Quantitative analysis 2. Nitrogen--Determination 3. Halogen--Determination 4. Sulfur--Determination

Card 4/4

SUBMITTED:

AUTHORS: Terent yev, A. P., Fedoseyev, P. N., 75-13-3-17/27

Ivasheva, N. P.

TITLE:

New Methods of the Quantitative Determination of Nitrogen,
Sulfur and Halogens From a Single Weighed Portion of Organic Substance (Novyye metody kolichestvennogo opredeleniya

azota, sery i galogenov iz odnoy naveski organicheskogo veshchestva).

Communication 4. The Use of Calcium for the Decomposition of the Substance (Soobshcheniye 4. Primeneniye kalitsiya

dlya razlozheniya veshchestva)

PERIODICAL: Zhurnal analiticheskoy khimii, 1958, Vol 13, Nr 3,

pp 344-348 (USSR)

ABSTRACT: In earlier papers the authors showed that nitrogen, sulfur

and halogens in organic substances can be quantitatively determined by means of powdered metallic magnesium (Reference 1). This method has several disadvantages. The reaction mass has to be prepared with acid, which may lead to the formation of explosive mixtures of silicon hydrides,

Card 1/4 hydrogen and air. Therefore the decomposition is performed

New Methods of the Quantitative Determination of 75-13-3-17/27 Nitrogen, Sulfur and Halogens From a Single Weighed Portion of Organic Substance.

Communication 4. The Use of Calcium for the Decomposition of the Substance

in the atmosphere of an inert gas. In order to remove the shortcomings of this method and to simplify the determination, the authors used powdery calcium instead of magnesium. It reacts with water already at the usual temperature and combines with oxygen, nitrogen, sulfur and halogens. In contrast to magnesium, calcium does not react with glass at temperatures of 700-750°C, besides the melting and boiling points are higher than those of magnesium. The principle of the new method consists in the fact that a weighed portion of the organic substance to be analyzed which contains nitrogen, sulfur and halogens is treated with powdery calcium at 700-750°C in an atmosphere of ether vapor or hydrogen. On this occasion calcium-nitride, -sulfide and -halogenide form in which nitrogen, sulfur and halogens are quantitatively determined. In the present paper two apparatus suitable for the performance of this determination are drawn and described in detail. The air must before

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New Methods of the Quantitative Determination of 75-13-3-17/27 Nitrogen, Sulfur and Halogens From a Single Weighed Portion of Organic Substance.

Communication 4. The Use of Calcium for the Decomposition of the Substance

the determination be removed from all parts of the apparatus by means of ether vapor. The performance of the decomposition of the organic substance by means of calcium is described in detail. After the decomposition product nitrogen is removed, as ammonia with water or 30% ethanol, and acidimetrically determined. After acidification of the reaction product after the decomposition with calcium sulfur is expelled as hydrogen sulfide and iodimetrically titrated. The halogens finally are determined by preparing the reaction mixture with diluted nitric acid and subsequent argentometric titration. The performance of these determinations is exactly described, too. Thus one, two or all three of the above-mentioned elements can be quantitavely determined from one weighed portion (the respective varieties of the method are described in detail). By using calcium instead of magnesium for the decomposition

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New Methods of the Quantitative Determination of 75-13-3-17/27 Nitrogen, Sulfur and Halogens From a Single Weighed Portion of Organic Substance. Communication 4. The Use of Calcium for the Decomposition of the Substance

> of the organic substance the analysis is simplified and the duration of its performance shortened. A number of organic substances were analyzed by this new method; the results of 26 of these analyses are given in the paper. There are 2 figures, 1 table and 4 references, 2 of which are Soviet.

ASSOCIATION: Nikolayevskiy korablestroitel nyy institut i Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Nikolayev Ship-Building Institute and Moscow State University imeni M. V. Lomonosov)

SUBMITTED:

December 20, 1956

1. Calcium--Applications 2. Organic materials--Chemical analysis

Card 4/4

Quantitative determination of air composition. Khim. v shkole 13 no.5:60-62 S-0 '58. (Air--Analysis)

AUTHORS:

Fedoseyev, P. N., Sobko, M. Ya.

SOV/75-13-5-17/24

TITLE:

New Methods of Quantitative Determination of Halogens in Organic Substances (Novyye metody kolichestvennogo opredeleniya galogenov v organicheskikh veshchestvakh) II. Gravimetric Determination of Chlorine, Browine and Iodine (II. Vesovyye opredeleniya khlora, brown i yeda)

PERIODICAL:

Zhurnal analiticheskey khimii, 1958, Vol 13, Nr 5, pp 595-598 (USSR)

ABSTRACT:

In a previous paper (Ref 1) the authors had described a new quantitative volumetric method for the determination of chlorine, bromine and icdine in organic compounds. In the present paper a new gravimetric method of determination is described for each of the above elements without use of silver salts. This new method is based on the different chemical reactivity of the halogens. The organic substance is decomposed according to one of the methods described in literature, for instance by comtustion in oxygen- or air-stream. The gaseous products of reaction which contain the free halogens and the hydrohalic acids, are passed through 2 heatable tubes the first of which is charged with fine crystalline potassium bromide and the

Card 1/4

New Methods of Quantitative Determination of Halogens in Organic Substances. II. Gravimetric Determination of Chlorine, Browne and Iodine

second with fine crystalline potassium icdide. In the first tube the bromide ions are oxidized by the free chlorine, in the second tube the free bromine oxidizes the iodide ions. In a third tube containing moist potassium fodide the separated iodine is quantitatively bound. This tube is connected with an apparatus according to Winkler (Vinkler) which is filled with a 10% KJ solution to take up traces of iodine that are carried along by the oxygen stream. From the change of weight in the first two tubes the percentage content of chlorine and bromine of the initial substance is calculated. The content of iodine can be computed from the difference of the total amount of iodine which was condensed on the third tube and absorbed in the Winkler apparatus and of the amounts of chlorine and bromine, determined from the change of weight in the first two tubes. Thus, by ore weighing of the organic compound at the same time chlorine, bromine and iodine can be separately determined. In a future paper the simultaneous quantitative determination of 2 or 3 halogens by one weighing of the organic substance will be described. A figure shows the installation used for the

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New Methods of Quantitative Determination of Halogens in Organic Substances. II. Gravimetric Determination of Chlorine, Bromine and Iodine

described determination. In the experimental section the determination as well as the calculation of the percentage contents of the various halogens are described in detail. Also the results of some determinations performed according to this method are given. The method in question is simple and requires neither a complicated installation nor expensive reagents. The technique is neither complicated. The error of the determination does not exceed \pm 0,1% - 0,2%. The analysis takes 40 - 50 minutes. The determination of chlorine offers a simultaneous threefold control, the determination of bromine a double control of the accuracy of the analysis. Sulfur interferes with the determination.

There are 1 figure, 2 tables, and 4 references, 4 of which are Soviet.

ASSUCTATION:

Nikolayevskiy korablestroitel'nyy institut im. S. O. Makarova (Nikolayev Ship-Building Institute imeni S. O. Makarov)

Card 3/4

5(3) AUTHORS:	Fedoseyev, P. N., Sobko, M. Ya. SOV/75-13-6-17/21
TITLE:	Method for the Quantitative Determination of Halogens in Organic Substances (Metod kolichestvennogo opredeleniya Galogenov v organicheskikh veshchestvakh) Communication 3. galogenov v organicheskikh veshchestvakh) Communication 3. Simultaneous Separate Gravimetric Determinations of Chlorine, Bromine and Iodine (Two and Three Elements Each) of a Weighed Portion of the Substance (Soobshcheniye 3. Vesovyye odnovremennyye razdel'nyye opredeleniya khlora, broma i yoda po dva i po tri elementa iz odnov naveski veshchestva)
PERIODICAL:	Zhurnal analiticheskoy khimii, 1958, Vol 13, Nr 6, pp 702-705 (USSR)
ABSTRACT;	The known methods for the simultaneous separate determination of halogens are long and difficult to carry out (Ref 2). A method is described in the present paper, basing on the less reactive halogens displacing the more reactive ones from potassium and sodium bromide and potassium iodide. At room temperature and in the absence of water, this mutual displacement of halogens does not take place. The authors ascertained that the halogens capability of displacing one another from their metallic salts rapidly increases with

Method for the Quantitative Determination of Halogens SOV/75-13-6-17/21 in Organic Substances. Communication 3. Simultaneous Separate Gravimetric Determinations of Chlorine, Bromine and Iodine (Two and Three Elements Each) of a Weighed Portion of the Substance

increasing temperature. These reactions are already quantitative at 680-720° for potassium and sodium bromide, and for potassium iodide at 480-5200. Higher temperatures are not desiderable, as bromides then begin melting, while a noticeable decomposition of the iodides takes place. An illustration and an accurate description are given of an appliance that can be conveniently used for the above determination method. The sample is weighed into a boat then powdered with pounded quartz sand or chromium oxide and subsequently vaporized or burned in an electrically heated quartz tube at 750-800°. The resulting products are conveyed by the aid of a uniform current of pure dry oxygen through an 800-9000 heated zone of the quartz tube to reach 2 small accurately weighed absorption tubes the first of which is filled with 30-35 g of potassium or sodium bromide and the second with an equal amount of potassium iodide. In the first absorption tube the temperature is 680-720°, and 480-520° in the other. A thin small tube follows the two heated absorption tubes and is filled with moist KJ. Finally, a Winkler absorption

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Method for the Quantitative Determination of Halogens 5.07/75-13-6-17/21 in Organic Substances. Communication 3. Simultaneous Serarate Gravimetric Determination of Chlorine, Bromine and Iodine (Two and Three Elements Each) of a Weighed Portion of the Substance

apparatus with a 10% potassium iodide solution is linked to them. After combustion is completed, the two absorption tubes are accurately weighed out. The contents of both the thin tube and the Winkler apparatus are shifted over to a flask quantitatively and are titrated with a sodium thiosulfate solution. The chlorine and bromine contents are calculated from the change in weight of the two absorption tubes and the iodine content results from titration of iodine separated in both the thin tube and the Winkler apparatus. By one filling of the absorption tubes it is possible to carry out 30-50 determinations, if the weighed portion of the sample amounts to 0.1-0.05 g. The absorption tubes consist of quartz or high-melting glass and are linked to each other by rubber tubes. The formula for the percentage calculation of chlorine, bromine, and iodine in all possible cases of the presence of 2 or all of 3 elements each are given. This new method is simple,

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Method for the Quantitative Determination of Halogens SOV/75-13-6-17/21 in Organic Substances. Communication 3. Simultaneous Separate Gravimetris Determination of Chlorine, Bromine and Iodine (Two and Three Elements Each) of a Weighed Portion of the Substance

> reliable, quick and accurate and does not require any expensive or complex equipment. The determination error amounts to 0.1 - 0.2 %. The analysis takes 50-60 minutes. There are 1 figure, 1 table, and 2 Soviet references.

ASSOCIATION:

Nikolayevskiy korablestroitel'nyy institut imeni S. O. Makarova (Institute of Ship-Building imeni S. O. Makarov, Nikolayev)

SUBMITTED:

April 19, 1955

Card 4/4

Microanalysis methods for the determination of carbon, hydrogen, and nitrogen in organic compounds with the aid of a vacuum. Isv.

AN Turk. SSR. no.1:45-52 '59. (MIRA 12:5)

1. Institut khimii AN Turkmenskoy SSR. (Carbon-Analysis) (Hydrogen-Analysis) (Hitrogen-Analysis)

5(2,3) AUTHORS:	Terent'yev, A. P., Fedoseyev, P. N., SOV/153-2-1-11/25
TITLE:	The Employment of Alkaline-earth Metals in Organic Elemental Analysis (Primeneniye shchelochno-zemel'nykh metallov v organicheskom elementarnom analize)
PERIODICAL:	Izvestiya vysshikh uchebnykh zavedéniy. Khimiya i khimicheskaya tekhnologiya, 1959, Vol 2, Nr 1, pp 54-58 (USSR)
ABSTRACT:	The determination of nitrogen, sulphur, and halogens is very important for practical analysis in organic chemistry. Long since chemists have devoted attention to the employment of the afore-mentioned metals for this purpose (Refs 1,2). Alkali metals exhibited several deficiencies in this connection (Refs 2-5). In this article the authors give a description of a qualitative determination of nitrogen, sulphur, and halogens in organic substances, wherein metallic magnesium and calcium are used. Table 1 above the sulphur and metallic magnesium and
Card 1/2	the determination of the individual elements (N, S, halogen, and C) by means of Mg or Ca. It results therefrom that calcium is suited for a qualitative analysis of the afore-mentioned elements. The advantage afforded in the quantitative analysis

The Employment of Alkaline-earth Metals in Organic Elemental Analysis

SOV/153-2-1-11/25

by the calcium method as against the magnesium method are indicated in table 2. These are the substances in which the elements mentioned were determined: α-phenyl-N-methyl-phenylene-thiazine perchlorate, sulfanilic acid, acridine, aminopyridine, hexachloro-ethane, and mercapto-benzothiazole. However, the properties of metallic magnesium (easily accessible, comfortable work, and low specific weight) favor the application of the magnesium method in addition to the calcium method. There are 2 tables and 7 references, 4 of which are Soviet.

ASSOCIATION:

Moskovskiy gosudarstvennyy universitet; Nikolayevskiy korablestroitel'nyy institut i Odesskiy institut inzhenerov morskogo flota (Moscow State University, Nikolayev Ship-building Institute, and Odessa Institute for Engineers of the Sea-going Fleet)

SUBMITTED:

November 4, 1957

Card 2/2

FEDOSEYEV, P.N.; CHERNYSHEVA, T.Ye.

Micromethods of the quantitative determination of carbon, hydrogen and nitrogen in organic matters in reduced size tubes under vacuum. Izv.vys.ucheb.sav.; khim.i khim.tekh. 2 no.6: 899-903 159. (MIRA 13:4)

1. Wiklayevskiy korablestroitel'nyy institut. Kafedra khiwii. (Carbon-Analysis) (Mitrogen-Analysis) (Hydrogen-Analysis)

5(3) 507/75-14-1-24/32 Fedoseyev, P. N., Sobko, M. Ya. AUTHORS: New Methods of Quantitative Determination of Halogens in TITLE: Organic Substances (Novyye metody kolichestvennogo opredeleniya galogenov v organicheskikh veshchestvakh) Zhurnal analiticheskoy khimii, 1959, Vol 14, Nr 1, pp 118-122 PERIODICAL: (USSR) The existing methods for the quantitative separate determina-ABSTRACT: tion of several halogens from a weighed-in portion of organic substance have a number of faults. The new method elaborated by the authors in the present paper permits simultaneous separate quantitative determination of two halogens (chlorine and bromine or chlorine and iodine) in organic substances which contain nitrogen. For the purpose of facilitating combustion of the substance chromium oxide was used as catalyst. It was found that 600 - 700° potassium bromide and sodium bromide do not react with nitrogen because the equilibrium of the reaction 2 NO 2 2 NO + 0 under these conditions tends considerably in the direction of the slowly reacting NO. When emerging from the heated absorption tube NO is, however, easily oxidized to NO2 which reacts with moist Card 1/3

New Methods of Quantitative Determination of Halogens in Organic Substances

SOV/75-14-1-24/32

potassium iodide. Therefore, the authors used crystalline sodium carbonate and a solution of NaOH and perhydrol instead of potassium iodide for the removal of the mists formed by the decomposition of the halogen-containing substance and for the simultaneous absorption of halogens. Instead of sodium carbonate also sodium bisulfate can be used. Before titration with potassium thiocyanate, the nitric oxides must be removed by boiling the solution. In gravimetric determination of chlorine about 25 - 30 g bromide is necessary for filling the absorption tube. This quantity is sufficient for more than 50 determinations if the weighed-in portions amount to between 0.05 and 0.1 g. The success of the analysis depends on the maintenance of a constant temperature range in the absorption tube. The method described may serve for the analysis of organic substances containing both mobile and firmly bound halogen. It permits combustion of large weighed-in portions, by which the determination of small quantities of halogens is rendered possible. The error committed in determination amounts to + 0.1 - 0.3%. Gravimetric determination takes 50 - 60 minutes and titrimetric determination 20 - 30 minutes.

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New Methods of Quantitative Determination of Halogens in Organic Substances

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The apparatus used is shown in form of aschematical drawing and is described in this paper. The operational regulations for the simultaneous separate determination of chlorine and bromine as well as of chlorine and iodine in organic substances containing nitrogen as well as of such as contain nitrogen and sulfur are given in detail. There are 2 figures, 2 tables, and 3 references, 2 of which are Soviet.

ASSOCIATION:

Nikolayevskiy korablestroitel'nyy institut im. S. O. Makarova (Nikolayev Shipbuilding Institute imeni S. O. Makarov)

SUBMITTED:

June 22, 1956

Card 3/3

5.3620

8/153/60/003/02/20/034 B011/B006

AUTHORS:

Fedoseyev, P. N., Lagoshnaya, R. M.

TITLE:

A New Quantitative Determination Method of Sulfur in Organic

Substances

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1960, Vol. 3, No. 2, pp. 320-323

TEXT: With quick volumetric methods for determining sulfur, fog-like sulfur trioxide is formed, which is not absorbable and thus distorts the analytical results. In the present paper, the authors investigated methods of destroying this fog, which forms on burning organic substances containing sulfur in a stream of O₂. They used various powdery materials. The rate of flow of O₂ was 100 - 150 ml/min. Combustion products were passed through a quartz tube containing filter materials unreactive toward sulfur oxides. The following substances were tested as filter materials: the sulfates of barium, strontium, calcium, copper, manganese, as well as amorphous silic-

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A New Quantitative Determination Method of Sulfur in Organic Substances

S/153/60/003/02/20/034 B011/B006

ic anhydride, glass wadding, and pulverized quartz sand. Grain sizes of these substances ranged from 0.25 mm to 0.5 mm. In all cases, the application of these substances yielded too low values for sulfur. The authors then used substances which are not indifferent to sulfur oxides, i. e. chlorides, bromides, and iodides of several alkali- and alkaline-earth metals. By reacting with sulfur oxides, an equivalent amount of hydrogen halide was formed, which was easily determined volumetrically. The best results were obtained with barium chloride, whilst those obtained by using various other metal halides were not quantitative. Basing on results obtained, the authors developed new methods for the quantitative determination of sulfur in compounds containing neither nitrogen nor halogen. The apparatus used for this purpose is shown in the figure on p. 321. The analytical procedure is described. The substance to be analyzed is put in a quartz boat and covered with chromium oxide. The rate of flow of the O2 current must not exceed 100 ml/min. The combustion gases are passed through tubes filled with BaCl, and absorbed in an absorber containing 3% hydrogen peroxide. The sulfur contained in the peroxide solution and in the wash

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A New Quantitative Determination Method of Sulfur in Organic Substances

S/153/60/003/02/20/034 B011/B006

water used for rinsing the absorber and adapter is determined by titration with 0.1 N alkali solution. The sulfur content is found with the aid of

for titration (in ml), N the normality of the alkali solution, E the gramequivalent of sulfur, and a, the weighed portion of the organic substance. The analysis takes 45 - 60 min. The Table on p 322 shows the analytical results obtained in the analysis of sulfosalicylic acid, bis-(1,1-dimethyl-4-penten-3-one) sulfide, diethyl sulfone dimethyl methane, ditolyl sulfide, sulfur, coal No. 1 - 4, and rubber No. 1 - 4. The authors proved the applicability of this method for determining combustible sulfur in different types of coal, as well as the total sulfur in rubber (Table). The rubber may not contain alkali- or alkaline-earth metals. Small quantities of zinc do not influence the results. The method is accurate to about ± 0.2 - 0.3%. There are 1 figure, 1 table, and 14 references, 6 of which are Soviet.

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A New Quantitative Determination Method of Sulfur in Organic Substances

S/153/60/003/02/20/034 B011/B006

ASSOCIATION: Nikolayevskiy korablestroitel'nyy institut; Kafedra

obshchey khimii (Nikolayev Ship-building Institute, Chair

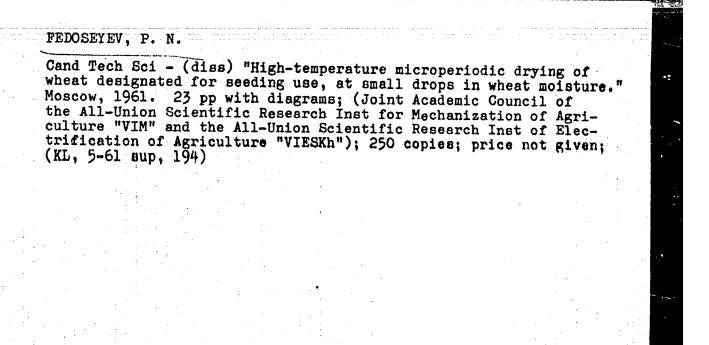
of General Chemistry)

SUBMITTED:

July 2, 1958

Card 4/4

How to make a hole in a glass vessel. Khim. v shkole 15 no.6:81 N-D '60. (Chemistry--Manipulation)



FEDOSEYEV, P.

M

"Vacuum Method for the Moro Determinations of Carbons, Hydrogen, and Nitrogen in Organic Compounds."

A quantitative determination of carbon, hydrogen, and nitrogen in organic compounds is described based on pyrolytic degradation of the weighed sample under closed systems conditions in the presence of copper oxide in a tube partially evacuated in order to avoid any explosion or flash combustion. The tube is heated continuously for five to ten minutes. In this period pyrolysis and reduction of oxides of nitrogen are complete. Finally oxygen is passed through the red hot tube to burn non-oxidized material and to sweep the combustion products into the absorption apparatus or azotometer.

By this method, the pyrolysis and combustion are effected smoothly and in a uniform manner, regardless of the compound. Even difficult compounds such as picrates, pyrazoles, nitriles, hydrazines, and volatile substances give reliable results. In the development of this "micro-vacuum-combustion" method conventional microanalytical.spparatus is used. However, the use of a shorter tube of smaller diameter yields better results. A tube 350 to 400 millimeters long and 3.5 and 4.0 millimeters in diameter is recommended; the tube volume is thus tenfold less than the Pregl tube. The method can be automated.

Paper submitted for the International Symposium on Microchemical Techniques, Pennsylvania State University, University Park, Pennsylvania 13-18 August 1961.

S.O. Marov Shipbuilding Institute, Nikolaev, U.S.S.R.

FEDOSEYEV, P.

"Simultaneous Micro Determination of Chlorine, Bromine, and Iodine in Organic Compounds."

As recognized by Pregl, the difficulty in the determination of individual halogens when presented together in an organic compound is their chemical similarity. One property that can be applied is the displacement of a halogen from its salts by a second halogen of greater chemical reactivity. Such displacement reactions are quantitative with sodium and potassium salts at 600-700° C. A quantitative simultaneous determination of chlorine, bromine, and iodine in a single sample is reported. The sample is pyrolyzed in a quartz tube at 900° C. The products containing free halogens and hydrogen halides are swept into an absorption apparatus charged successively with potassium bromide (at 650° C.), potassium iodide (not heated).

The weight increase of the first charge corresponds to the chlorine content and that of the second charge to the combined chlorine and bromine content. The content of the third charge is washed into a flask and the sum of the three halogens determined by titration. The titrimetric finish with a single halogen requires thirty to forty minutes and the gravimetric finish fifty to sixty minutes; the simultaneous determination of two or three halogens requires eighty to ninety minutes. The method is practical, accurate, simple, and does not require expensive and complicated apparatus. Fluorine, if present, in the compounds is determined by separate analysis.

Paper submitted for the International Symposium on Microchemical Techniques, PENN. State UNIV, UNIV. PARK PENNA,

(S.O. MARKOV Shipbuilding INST., NIKolayev USSR

13-18 Aug. 1961

FEDOSEYEV, P.N.; YELETSKIY, A. Ye.

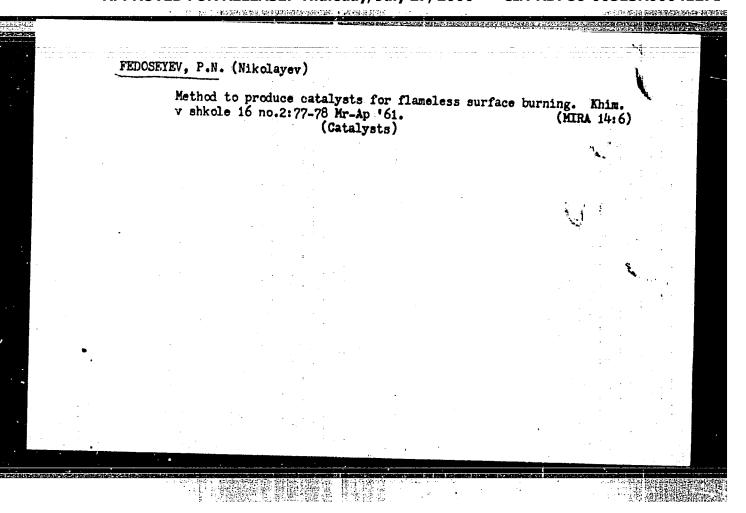
Thermal drying of wheat with low mointure drop in the grain. Insh.-fis. shur. no.2:63-69 F *61. (MIRA 14:4)

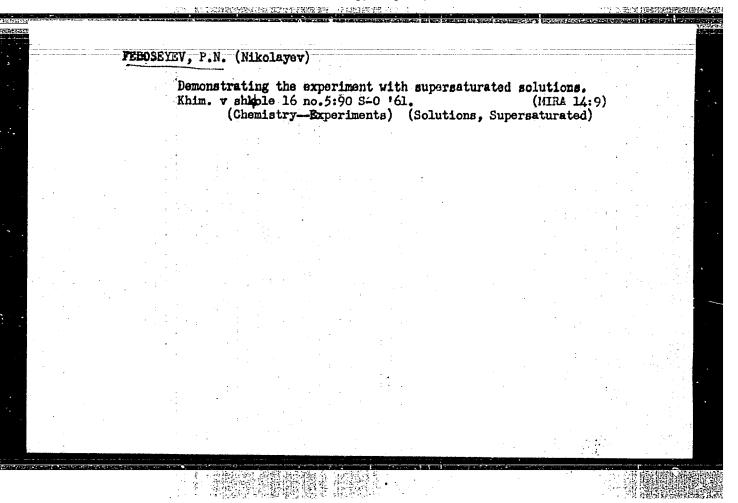
1. Biologicheskiy institut i Institut matematiki, Sibirskoye otdeleniye AN SSSR, Novosibirsk.
(Wheat-drying)

FEDOSEYEV, P.N.; GRIGORENKO, M.Yo.

Use of metallic magnesium in the determination of alkali metals. Zhur. anal. khim. 16 no. 1:100-102 Ja-F 161. (MIRA 14:2)

1. S.O. Makarov Nikolayev Shipbuilding Institute.
(Magnesium) (Alkali metals)





FEDOSEYEV, P.N.; IGNATENKO, L.S.

On pyrolysis, rapid and slow decomposition of a substance, and on the role of catalysts in elementary organic quantitative analysis. Trudy Kom. anal. khim. 13:33-35 163. (MIRA 16:5)

1. Nikolayevskiy korablestroitel'nyy institut immi admirala S.O. Makarova i Odesskiy inzhenero-stroitel'nyy institut. (Organic compounds) (Chemistry, Analytical—Quantitative)

FEDOSEYEV, P.N.

Technology and machinery system for harvesting grain in Siberia.

Mekh. i elek. sots. sel'khoz. 21 no.4:11-13 '63. (MIRA 16:9)

l. Rukovoditel' otdela zernouborki Sibirskogo filiala Vsesoyuznogo nauchno-issledovatel'skogo instituta mekhanizatsii sel'skogo khozyaystva.

(Siberia-Grain-Harvesting) (Harvesting machinery)

UCHEN', M.T.; FEDOSEYEV, P.N.

Method for quantitative determination of halogens and sulfur and simultaneous determination of halogens and sulfur in organic substances. Izv.vys.ucheb.sav.; khim.i khim.tekh. 8 no.4:619-622 '65. (MRA 18:11)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti, kafedra organicheskoy khimii.

38362-66

ACC NR: AP6019949

(A) SOURCE CODE: UR/0323/66/000/001/0078/0082

AUTHOR: Dukhota, V. A. (Engr.); Fedoseyev. P. N. (Prof.; Dr. of Chemical Sciences)

ORG: Department of General and Analytical Chemistry, Kiev Technological Institute of the Light Industry (Kafedra obshchey i analiticheskoy khimii Kievskogo tekhnologicheskogo instituta legkoy promyshlennosti)

TITLE: Complexometric microdetermination of calcium and magnesium in clean raw hide by the "buretless titration" method

SOURCE: IVUZ. Tekhnologiya legkoy promyshlennosti, no. 1, 1966, 78-82

TOPIC TAGS: calcium, magnesium, trace analysis

ABSTRACT: The authors propose a simple and rapid complexometric method for determining calcium and magnesium in clean raw hide and finished leather by using test paper instead of a buret. The paper is prepared by depositing a known volume of titrated reagent solution on filter paper of known size. Clean raw hide is analyzed for calcium, and leather is analyzed for calcium and magnesium by using paper impregnated with the chelating agent Trilon B. Triethanolamine is used to mask the small amount of iron present, and the fluorescent indicator "fluorekson" is employed in the titration. The technique is recommended for extensive applications in industrial and scientific research laboratories. Orig. art. has: 4 tables.

SUB CODE: 07/, SUBM DATE: 09Aug65/ ORIG REF: 002/ OTH REF: 002

A. Carlo

1/26

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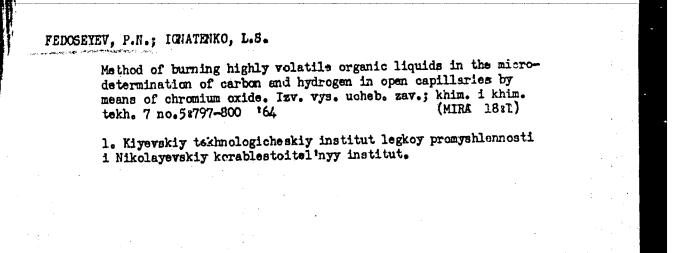
KRICHIKOV, P.F., gornyy inzh.; FEDOSEYEV, P.I., gornyy inzh.;
KHINN, G.L., gornyy inzh.; YARMIZIN, V.A., gornyy inzh.

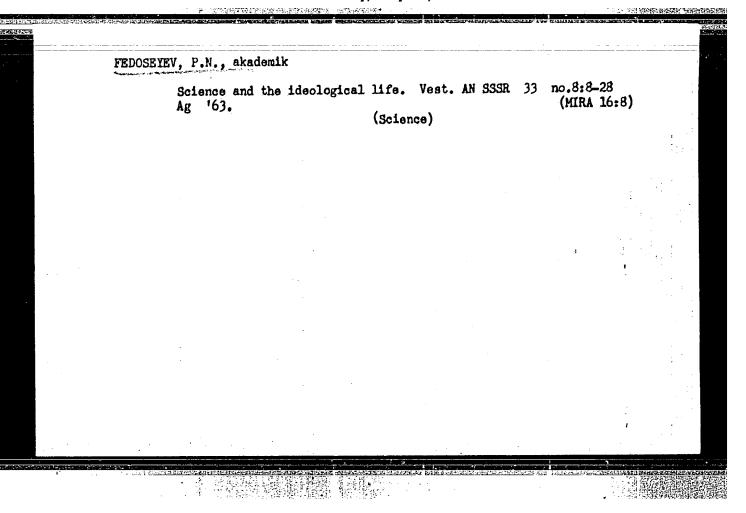
Semiautomatic control of the mechanisms of hoisting
equipment shaft doors. Gor. zhur. no.7:51-54 JI '61.

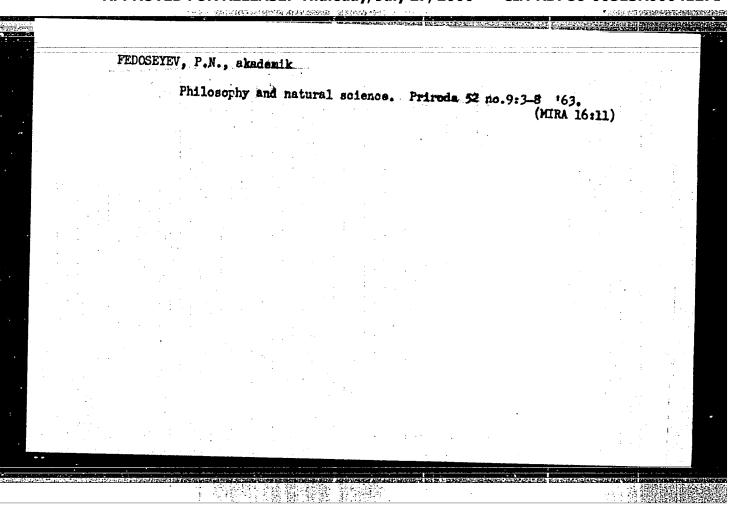
(MIRA 15:2)

1. Tyrnyauzskiy kombinat.

(Mine hoisting)
(Automatic control)







PEDOSEYEV, P.S.

Man and the seven-year plan. Zdorov's 5 no.12:1-3 D 159.

1. Sekretar: Staro-Minskogo rayonnogo komiteta Kommunisticheskoy partii Sovetskogo Soyusa (Krasnodarskiy kray).

(KRASNODAR TEHRITORI--FUBLIC HEALTH, RURAL)

EWT(1)/BDS AFFTC/ASD/ESD-3 L 13674-63

\$/0286/63/000/006/0049/0050

30

AUTHOR: Kon'kov, Yu. A.; Fedoseyev, R. Yu.

Class 42, No. 153623 TITLE: Pneumatic relay.

SOURCE: Byul. izobret. 1 tovarny*kh znakov, no. 6, 1963, 49-50

APPROVED FOR RELEASE: Thursday, July 27, 2000

TOPIC TAGS: pneumatic relay, automation, automatic control

ABSTRACT: The pneumatic relay consists of a housing divided by membranes into several chambers, into one of which a command signal is supplied. To decrease the relay operating time and reduce the effect of pneumatic-line leakages on accuracy. the relay is connected to an auxiliary relay through a throttle valve and a storage tank; the chambers of the auxiliary relay are connected with the lines of the command and minimal pickup signals. Orig. art. has: 1 figure.

ASSOCIATION: none

ACCESSION NR: AP3004670

SUBMITTED: 00 DATE ACQ: 27Aug63

ENCL: 01

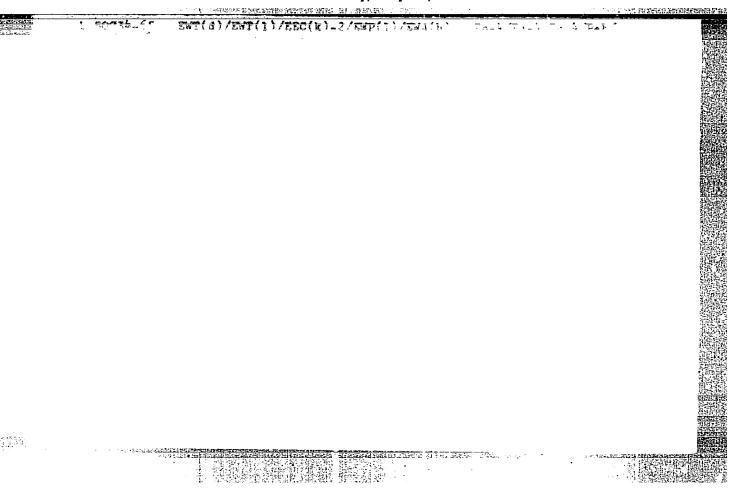
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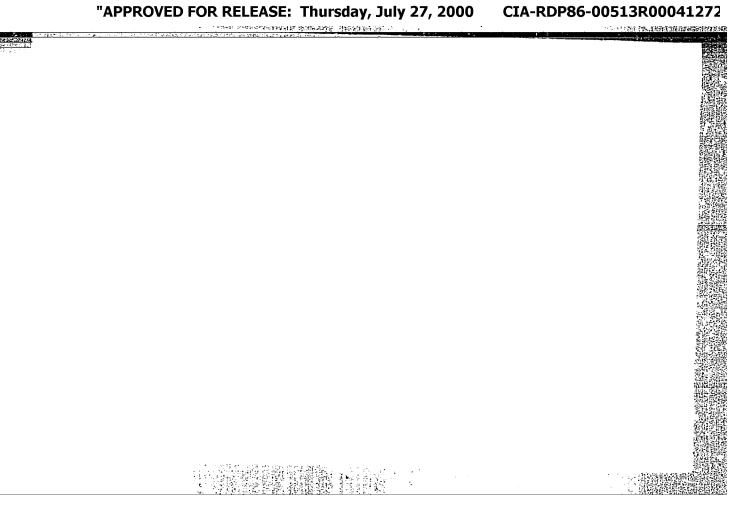
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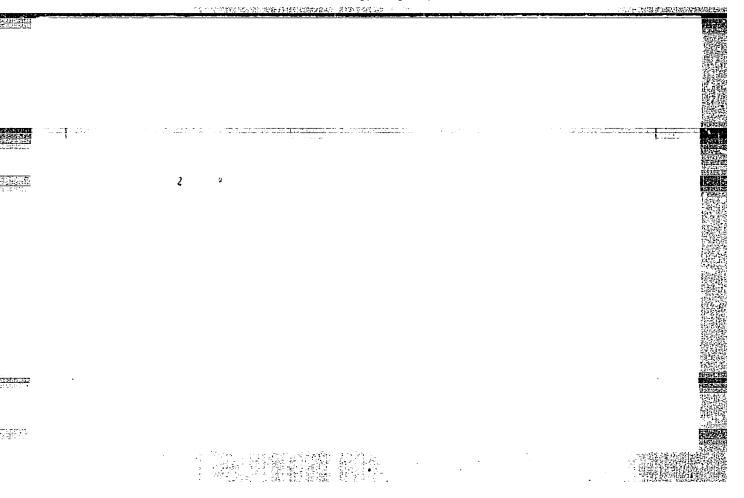
OTHER:

Card 1/2/

CIA-RDP86-00513R000412720







ACC NR: AP7002595 (A,N) SOURCE CODE: UR/0413/66/000/023/0101/0101 INVENTOR: Fedoseyev, R.Yu.; Vasil'yeva, V.V.; Kon'kov, Yu.A.; Sidorov, G.V.; Yakovlev, A.B.; Semenov, A.I.; Drogin, L.V. ORG: none TITLE: Pneumatic memory device. Class 42, No. 189233 SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 101 TOPIC TAGS: automatic presumatic presumatic device, preumatic Bervome chanism, serrosystem, memory cone ABSTRACT: An Author Certificate has been issued for a pneumatic memory device containing a servosystem with a memory chamber and a valve. To reduce gas leakage from the pressurized chamber, a three-diaphragm two-contact valve is added. The connections between valves are shown in Fig. 1. Card 1/2 UDC 1

